WE CLAIM:

- 1. An isolated protein complex including a combination of at least two proteins selected from the group consisting of GRF2, GRF2-Interacting Proteins, Ndr-Interacting Proteins, Skb1-Interacting Proteins, PP2C-Interacting Proteins, pICln-Interacting Proteins, 4.1SVWL2-Interacting Proteins, smD1-Interacting Proteins, and smD3-Interacting Proteins.
- 2. The isolated protein complex according to claim 1, wherein the proteins are each of mammalian origin.
- 3. The isolated protein complex according to claim 1, wherein at least one of the proteins is a fusion protein.
- An isolated or recombinant protein having an amino acid sequence of a protein represented in Table 1, 2, 3, 4, 5, 6, 7, or 8 or a homolog thereof.
 - 5. An isolated nucleic acid sequence comprising either a full-length or partial coding sequence for a protein of claim 4.
 - 6. A method for identifying modulators of protein complexes, comprising the steps of:
 - (i) forming a reaction mixture including a protein complex of at least two proteins selected from the group consisting of GRF2, GRF2-Interacting Proteins, Ndr-Interacting Proteins, Skb1-Interacting Proteins, PP2C-Interacting Proteins, pICIn-Interacting Proteins, 4.1SVWL2-Interacting Proteins, smD1-Interacting Proteins, and smD3-Interacting Proteins,
 - (ii) contacting the reaction mixture with a test agent, and
 - (iii) determining the effect of the test agent for one or more activities selected from the group consisting of:
 - (a) a change in the abundance of the protein complex;
 - (b) a change in the activity of the complex;
 - (c) a change in the activity of at least one member of the complex;
 - (d) where the reaction mixture is a whole cell, a change in the intracellular localization of the complex or a component thereof;
 - (e) where the reaction mixture is a whole cell, a change in the transcription level of a gene dependent on the complex;

- (f) where the reaction mixture is a whole cell, a change in the abundance of the product of a gene dependent on the complex;
- (g) where the reaction mixture is a whole cell, a change in the activity of the product of a gene dependent on the complex; and,
- (h) where the reaction mixture is a whole cell, a change in second messenger levels in the cell.
- 7. A method for identifying an agent which may modulate GRF2 dependent growth comprising:
 - (i) forming a reaction mixture including a protein selected from the group consisting of GRF2-Interacting Proteins, Ndr-Interacting Proteins, Skb1-Interacting Proteins, PP2C-Interacting Proteins, pICln-Interacting Proteins, 4.1SVWL2-Interacting Proteins, smD1-Interacting Proteins, and smD3-Interacting proteins,
 - (ii) contacting the reaction mixture with a test agent, and
 - (iii) detecting the effect of the test agent for one or more activities selected from the group consisting of:
 - (a) a change in the abundance of the protein complex;
 - (b) a change in the activity of the complex;
 - (c) a change in the activity of at least one member of the complex;
 - (d) where the reaction mixture is a whole cell, a change in the intracellular localization of the complex or a component thereof;
 - (e) where the reaction mixture is a whole cell, a change in the transcription level of a gene dependent on the complex;
 - (f) where the reaction mixture is a whole cell, a change in the abundance of the product of a gene dependent on the complex;
 - (g) where the reaction mixture is a whole cell, a change in the activity of the product of a gene dependent on the complex; and,
 - (h) where the reaction mixture is a whole cell, a change in second messenger levels in the cell.
- 8. The method according to claim 6 or 7, including the further step of formulating one or more of the agents identified in the assay with a pharmaceutically acceptable excipient.

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- 9. A method for altering the growth state of a cell comprising contacting the cell with an agent identified according to the assay of claim 6 or 7.
- 10. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an agent identified according to the assay of claim 6 or 7.
- 5 11. A method for inducing differentiation of a cell comprising contacting the cell with an agent identified according to the assay of claim 6 or 7.
 - 12. A method for reducing the severity of a condition involving Ras-dependent proliferation of cells, comprising administering to an animal having said condition a therapeutically effective amount of an agent identified according to the assay of claim 6 or 7.
- 13. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an agent capable of inhibiting the activity of a member of the Ras signaling pathway.
 - 14. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an inhibitor of a methyl transferase activity of Skb1.
 - 15. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an inhibitor of a kinase activity of Skb1.
 - 15bis. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an agent that inhibits normal subcellular localization of Skb1.
 - 16. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an inhibitor of a phosphatase activity of PP2C.
 - 17. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an inhibitor of an activity of pICln.
 - 18. A cellular host that is engineered genetically to produce a protein according to claim 4.
- 19. A method for detecting aberrant GRF2-dependent signaling in a cell, comprising the step of screening the cell for one or more of:
 - (i) altered levels of expression of a gene encoding a GRF2-Interacting Protein, an Ndr-Interacting Protein, an Skb1-Interacting Protein, a PP2C-Interacting Protein, a pICln-Interacting Protein, a 4.1SVWL2-Interacting Protein, an smD1-Interacting Protein, or an smD3-Interacting protein,
- 30 (ii) altered levels of stability, post-translation modification, cellular localization and/or enzymatic activity of a GRF2-Interacting Protein, an Ndr-Interacting Protein, an

Skb1-Interacting Protein, a PP2C-Interacting Protein, a pICIn-Interacting Protein, a 4.1SVWL2-Interacting Protein, an smD1-Interacting Protein, or an smD3-Interacting protein, and

- (iii) altered levels of activity of a complex including a GRF2-Interacting Protein, an Ndr-Interacting Protein, an Skb1-Interacting Protein, a PP2C-Interacting Protein, a pICln-Interacting Protein, a 4.1SVWL2-Interacting Protein, an smD1-Interacting Protein, or an smD3-Interacting protein.
- 20. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an inhibitor of a kinase activity of Ndr.
- 10 21. A method for inhibiting Ras-dependent proliferation of a cell comprising contacting the cell with an agent that inhibits normal subcellular localization of Ndr.